



[4910-13-P]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2015-2466; Directorate Identifier 2015-CE-018-AD]

RIN 2120-AA64

Airworthiness Directives; PIAGGIO AERO INDUSTRIES S.p.A Airplanes

AGENCY: Federal Aviation Administration (FAA), Department of Transportation (DOT).

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: We propose to adopt a new airworthiness directive (AD) for PIAGGIO AERO INDUSTRIES S.p.A Model P-180 airplanes. This proposed AD results from mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as the need to restore the safe fatigue life of the bulkhead structure. We are issuing this proposed AD to require actions to address the unsafe condition on these products.

DATES: We must receive comments on this proposed AD by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: You may send comments by any of the following methods:

- Federal eRulemaking Portal: Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.
- Fax: (202) 493-2251.
- Mail: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue, SE, Washington, DC

20590.

- Hand Delivery: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue, SE., Washington, DC 20590, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this proposed AD, contact PIAGGIO AERO INDUSTRIES S.p.A, Airworthiness Office, Viale Generale Disegna, 1 - 17038 Villanova d'Albenga, Savona, Italy; telephone: +39 010 6481800; fax: +39 010 6481374; email: technicalsupport@piaggioaerospace.it; Internet: www.piaggioaerospace.it/en/customer-support#care. You may review this referenced service information at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148.

Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2015-2466; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this proposed AD, the regulatory evaluation, any comments received, and other information. The street address for the Docket Office (telephone (800) 647-5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.

FOR FURTHER INFORMATION CONTACT: Mike Kiesov, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4144; fax: (816) 329-4090; email: mike.kiesov@faa.gov.

SUPPLEMENTARY INFORMATION:

Comments Invited

We invite you to send any written relevant data, views, or arguments about this proposed AD. Send your comments to an address listed under the ADDRESSES section.

Include “Docket No. FAA-2015-2466; Directorate Identifier 2015-CE-018-AD” at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this proposed AD. We will consider all comments received by the closing date and may amend this proposed AD because of those comments.

We will post all comments we receive, without change, to <http://regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this proposed AD.

Discussion

The European Aviation Safety Agency (EASA), which is the Technical Agent for the Member States of the European Community, has issued AD No.: 2015-0071, dated: April 30, 2015 (referred to after this as “the MCAI”), to correct an unsafe condition for the specified products. The MCAI states:

In 1997, Piaggio Aero Industries S.p.A (PAI) developed a modification of the forward pressurized bulkhead, published through PAI Service Bulletin (SB) 80-0081, aiming to restore the safe fatigue life of the bulkhead structure.

Consequently, ENAC Italy (formerly RAI) issued Prescrizione di Aeronavigabilit  (PA) 97-148 to require compliance with this SB.

After RAI PA 97-148 was issued, PAI issued SB 80-0081 Revision 2 to provide improved instructions for specific serial numbers. Prompted by this development, EASA issued AD 2010-0146 superseding PA 97-148 and requiring accomplishment of instruction of PAI issued SB 80-0081 Revision 2.

After that AD was issued, PAI issued SB 80-0081 Revision 3 to make the instructions for inspection (and, depending on findings, rework/reinforcement) applicable to all aeroplanes.

For the reasons described above, this AD retains the requirements of EASA AD 2010-0146, which is superseded, requires inspection and, depending on findings, reinforcement of the pressurized bulkhead structure on extended population of aeroplanes. This AD also specifies that certain aeroplanes modified in accordance with SB 80-0081 up to

Revision 2 need to be inspected and, depending on findings, reinforced as required by this AD.

You may examine the MCAI on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2015-2466.

Related Service Information under 1 CFR part 51

PIAGGIO AERO INDUSTRIES S.p.A has issued PIAGGIO AERO INDUSTRIES S.p.A. Service Bulletin 80-0081, Revision No. 3, dated: January 20, 2015. The service information describes procedures for inspection and, depending on findings, rework/reinforcement of the bulkhead. This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section of this NPRM.

FAA's Determination and Requirements of the Proposed AD

This product has been approved by the aviation authority of another country, and is approved for operation in the United States. Pursuant to our bilateral agreement with this State of Design Authority, they have notified us of the unsafe condition described in the MCAI and service information referenced above. We are proposing this AD because we evaluated all information and determined the unsafe condition exists and is likely to exist or develop on other products of the same type design.

Costs of Compliance

We estimate that this proposed AD will affect 28 products of U.S. registry. We also estimate that it would take about 1 work-hour per product to comply with the basic requirements of this proposed AD. The average labor rate is \$85 per work-hour.

Based on these figures, we estimate the cost of the proposed AD on U.S. operators to be \$2,380, or \$85 per product.

In addition, we estimate that any necessary follow-on actions would take about 88 work-hours and require parts costing \$30,000, for a cost of \$37,480 per product. We have no way of determining the number of products that may need these actions.

According to the manufacturer, some of the costs of this proposed AD may be covered under warranty, thereby reducing the cost impact on affected individuals. We do not control warranty coverage for affected individuals. As a result, we have included all costs in our cost estimate.

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. "Subtitle VII: Aviation Programs," describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in "Subtitle VII, Part A, Subpart III, Section 44701: General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

Regulatory Findings

We determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify this proposed regulation:

- (1) Is not a "significant regulatory action" under Executive Order 12866,
- (2) Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979),
- (3) Will not affect intrastate aviation in Alaska, and

(4) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

The Proposed Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA proposes to amend 14 CFR part 39 as follows:

PART 39 - AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new AD:

PIAGGIO AERO INDUSTRIES S.p.A: Docket No. FAA-2015-2466; Directorate Identifier 2015-CE-018-AD.

(a) Comments Due Date

We must receive comments by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

(b) Affected ADs

None.

(c) Applicability

This AD applies to PIAGGIO AERO INDUSTRIES S.p.A P-180 Model P-180 airplanes, serial numbers (S/N) 1004 through 1033, certificated in any category.

(d) Subject

Air Transport Association of America (ATA) Code 53: Fuselage.

(e) Reason

This AD was prompted by mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as the need to restore the safe fatigue life of the bulkhead structure. We are issuing this AD to correct the safe fatigue life of the airplane.

(f) Actions and Compliance

(1) Unless already done, do the actions in paragraphs (f)(2) through (f)(4) of this AD at whichever of the following compliance times occurs later:

(i) Within 1,500 hours time-in-service (TIS) after the effective date of this AD, but not to exceed 6,000 hours total hours TIS on the airplane; or

(ii) Within 200 hours TIS after the effective date of this AD or 6 months after the effective date of this AD, whichever occurs first.

(2) Inspect (visually or using a standard endoscope) the forward pressurized bulkhead to verify presence of bulkhead reinforcement following Part A1 of the Accomplishment Instructions of PIAGGIO AERO INDUSTRIES S.p.A. Service Bulletin 80-0081, Revision No. 3, dated: January 20, 2015.

(i) If the inspection results indicate that the reinforcements are properly installed, ascertain (visually or by means of standard endoscope equipment) that there are no cracks or defects. If cracks or defects are identified, before further flight, repair using instructions from Piaggio Aero Industries as identified in Service Letter 80-0097.

(ii) If the inspection results indicate that the reinforcements are not installed, reinforce the forward pressurized bulkhead following Part A2 of the Accomplishment Instructions of PIAGGIO AERO INDUSTRIES S.p.A. Service Bulletin 80-0081, Revision No. 3, dated: January 20, 2015.

(3) Modify the forward pressurized bulkhead following Part C of the Accomplishment Instructions of PIAGGIO AERO INDUSTRIES S.p.A. Service Bulletin 80-0081, Revision No. 3, dated: January 20, 2015.

(4) This AD allows credit for the actions required in paragraphs (f)(2)(ii) and (f)(3) of this AD if done before the effective date of this AD following the instructions of PIAGGIO AERO INDUSTRIES S.p.A. Service Bulletin 80-0081, Original Issue, dated: April 28, 1997; PIAGGIO AERO INDUSTRIES S.p.A. Service Bulletin 80-0081, Revision No. 1, dated: May 11, 2010; or PIAGGIO AERO INDUSTRIES S.p.A. Service Bulletin 80-0081, Revision No. 2, dated: July 19, 2010.

(g) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) **Alternative Methods of Compliance (AMOCs):** The Manager, Standards Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Mike Kiesov, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4144; fax: (816) 329-4090; email: mike.kiesov@faa.gov. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) **Airworthy Product:** For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(h) Related Information

Refer to MCAI European Aviation Safety Agency (EASA) AD No.: 2015-0071, dated April 30, 2015; PIAGGIO AERO INDUSTRIES S.p.A. Service Bulletin 80-0081, Original Issue, dated: April 28, 1997; PIAGGIO AERO INDUSTRIES S.p.A. Service Bulletin 80-0081, Revision No. 1, dated: May 11, 2010; or PIAGGIO AERO INDUSTRIES S.p.A. Service Bulletin 80-0081, Revision No. 2, dated: July 19, 2010, for related information. You may examine the MCAI on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2015-2466. For service information related to this AD, contact PIAGGIO AERO INDUSTRIES S.p.A, Airworthiness Office, Viale Generale Disegna, 1 - 17038 Villanova d'Albenga, Savona, Italy; telephone: +39 010 6481800; fax: +39 010 6481374; email: technicalsupport@piaggioaerospace.it; Internet: www.piaggioaerospace.it/en/customer-support#care. You may review this referenced service information at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148.

Issued in Kansas City, Missouri, on June 25, 2015.

Earl Lawrence,
Manager, Small Airplane Directorate,
Aircraft Certification Service.

[FR Doc. 2015-16293 Filed: 7/2/2015 08:45 am; Publication Date: 7/6/2015]